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TITLE : LIQUID-ABSORBING MATERIAL AND PRODUCTION THEREOF

ABSTRACT : PURPOSE: To obtain a liquid-absorbing material easily in a short time, which is suitable for use in the printing part of a continuous printing stamp, by mixing a resin base material with the foam of a heat-expandable microcapsule, putting the mixture into a mold and compressing it with heating.

CONSTITUTION: 100pts.wt. resin base material (e.g., a mixture of PVC with a plasticizer) is mixed with 2~8pts.wt. pref. 4~5pts.wt. foam having an expansion ratio of 30~70 and a particle size of 1~100 μ m, pref. 3~50 μ m, obtd. from a heat-expandable microcapsule (e.g., polyacrylonitrile) and optionally, a stabilizer, a colorant, etc. The mixture is put into a mold and compressed with heating to obtain a liquid-absorbing material having a water absorption of 0.1~0.5g, pref. 0.15~0.4g/cm³.

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